

S/N 10/676,139

*IFW*  
**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant:	Adrian P Stephens et al.	Examiner:	Unknown
Serial No.:	10/676,139	Group Art Unit:	2661
Filed:	September 30, 2003	Docket:	884.B29US1
Title:	METHODS FOR TRANSMITTING CLOSELY-SPACED PACKETS IN WLAN DEVICES AND SYSTEMS		
Assignee:	Intel Corporation	Customer No:	21186

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Information Disclosure Statement considered.

INFORMATION DISCLOSURE STATEMENT

Serial No : 10/676,139

Filing Date: September 30, 2003

Title: METHODS FOR TRANSMITTING CLOSELY-SPACED PACKETS IN WLAN DEVICES AND SYSTEMS

Assignee: Intel Corporation

Page 2

Dkt: 884.B29US1 (INTEL)

The present application is either a U.S. national patent application filed after June 30, 2003 or an international application that entered the national stage under 35 U.S.C. § 371 after June 30, 2003. Thus, Applicant believes that the U.S. Patent & Trademark Office has waived the requirement under 37 C.F.R. 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication. The waiver is provided in a pre-OG notice from the U.S. Patent & Trademark Office entitled "Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003" and dated July 11, 2003. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

ADRIAN P STEPHENS ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
Attorneys for Intel Corporation  
P.O. Box 2938  
Minneapolis, Minnesota 55402  
(612) 349-9592

Date April 22, 2005 By Ann M. McCrackin  
Ann M. McCrackin  
Reg. No. 42,858

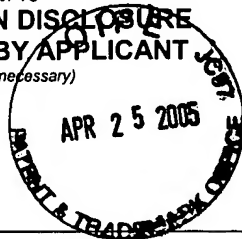
CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 22nd day of April, 2005.

JAMES KAU  
Name

[Signature]  
Signature

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
(Use as many sheets as necessary)



Complete if Known

**Application Number** 10/676,139

**Filing Date** September 30, 2003

**First Named Inventor** Stephens, Adrian

**Group Art Unit** 2661

**Examiner Name** Unknown

Sheet 1 of 1

**Attorney Docket No:** 884.B29US1

**US PATENT DOCUMENTS**

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
	US-2001/0033560 A1	10/25/2001	Tong, W. , et al.	01/19/2001
	US-2002/0131486 A1	09/19/2002	Haartsen, J.	03/15/2001
	US-2002/0136170 A1	09/26/2002	Struhsaker, P. F.	09/05/2001
	US-2002/0150077 A1	10/17/2002	Temerinac, M.	07/27/2001
	US-2003/0169769 A1	09/11/2003	Ho, J. , et al.	07/02/2002
	US-2005/0068900 A1	03/31/2005	Stephens, A. P. , et al.	09/30/2003
	US-5,706,428	01/06/1998	Boer, J. , et al.	03/14/1996

**FOREIGN PATENT DOCUMENTS**

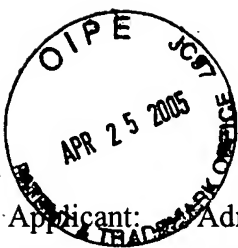
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T <sup>2</sup>
	EP-1130837A2	09/05/2001	Chen, X. , et al.	
	WO-02054805A1	07/11/2002	Ball, C. , et al.	

**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		"IEEE Standard Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specification", <u>ISO/IEC 8802-11, ANSI/IEEE Std 802.11, 1st Edition, Chapter 9: MAC Sublayer Functional Description</u> , (Aug. 20 1999), 70-97	
		"International Search Report for corresponding PCT Application No. PCT/US2004/031900, (March 11, 2005), 4 pgs.	
		Ji, Z. , et al., "Exploiting Medium Access Diversity in Rate Adaptive Wireless LANs", <u>MobiCom 2004, Philadelphia, Pennsylvania, USA</u> , <a href="http://pcl.cs.ucla.edu/papers/files/mobicom04-ji.pdf">http://pcl.cs.ucla.edu/papers/files/mobicom04-ji.pdf</a> , (Sept. 2004), 345-359	

**EXAMINER**

**DATE CONSIDERED**



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Adrian P Stephens et al.

Title: METHODS FOR TRANSMITTING CLOSELY-SPACED PACKETS IN WLAN DEVICES  
AND SYSTEMS

Docket No.: 884.B29US1

Serial No.: 10/676,139

Filed: September 30, 2003

Due Date: N/A

Examiner: Unknown

Group Art Unit: 2661

**MS Amendment**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):

- ☒ A return postcard.
- ☒ A Communication Concerning Related Applications (1 pg.).
- ☒ An Information Disclosure Statement (2 pgs.), Form 1449 (1 pg.), and copies of 5 cited documents.

If not provided for in a separate paper filed herewith, Please consider this a **PETITION FOR EXTENSION OF TIME** for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

Customer Number 21186

By: Ann M. McCrackin

Atty: Ann M. McCrackin

Reg. No. 42,858

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 22nd day of April, 2005.

JAMES KANYSIK  
Name

[Signature]  
Signature

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

(GENERAL)



S/N 10/676139

PATENTIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Adrian P. Stephens et al. Examiner: Unknown  
Serial No.: 10/676139 Group Art Unit: 2661  
Filed: September 30, 2003 Docket: 884.B29US1  
Title: METHODS FOR TRANSMITTING CLOSELY-SPACED PACKETS IN WLAN  
DEVICES AND SYSTEMS  
Assignee: Intel Corporation Customer No.: 21186

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COMMUNICATION CONCERNING RELATED APPLICATIONS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Applicants would like to bring to the Examiner's attention the following related applications in the above-identified patent application:

<u>Serial/Patent No.</u>	<u>Filing Date</u>	<u>Attorney Docket</u>	<u>Title</u>
10/719208	November 20, 2003	Intel P16292	TRAINED DATA TRANSMISSION FOR COMMUNICATION SYSTEMS
10/677055	September 30, 2003	884.A57US1	DATA BURST TRANSMISSION METHODS IN WLAN DEVICES AND SYSTEMS

Respectfully submitted,

ADRIAN P. STEPHENS ET AL.

By Applicants' Representatives,

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Date April 22, 2005

By Ann M. McCrackin  
Ann M. McCrackin  
Reg. No. 42,858

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JAMES KAVYUSIK  
Name

James Kavyusik  
Signature